Title (en)

SYSTEM FOR THE DETECTION OF GAMMA RADIATION FROM A RADIOACTIVE ANALYTE

Title (de)

SYSTEM ZUR DETEKTION VON GAMMASTRAHLUNG EINES RADIOAKTIVEN ANALYTEN

Title (fr)

SYSTÈME DÉTECTEUR DE RAYONNEMENT GAMMA D'UN ANALYTE RADIOACTIF

Publication

EP 2967465 A4 20161214 (EN)

Application

EP 13877838 A 20131127

Priority

- US 201313840925 A 20130315
- US 2013072255 W 20131127
- US 201261653014 P 20120530

Abstract (en)

[origin: US2013324844A1] A system for the measurement of radiation emitted from an in-vivo administered radioactive analyte. The system employs a sensor having a scintillation material to convert gamma radiation to visible light, which enables embodiments of the sensor to be ex vivo. A light detector converts the visible light to an electrical signal. This signal is amplified and is processed to measure the captured radiation. Temperature of the sensor may be recorded along with this radiation measurement for temperature compensation of ex vivo embodiments. The sensor enables collection of sufficient data to support separate application to predictive models, background comparisons, or change analysis.

IPC 8 full level

A61B 6/00 (2006.01); **G01T 1/161** (2006.01)

CPC (source: EP US)

A61B 6/4258 (2013.01 - EP US); **G01T 1/161** (2013.01 - EP US); F04C 2270/041 (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

US 2013324844 A1 20131205; **US 9002438 B2 20150407**; CA 2941409 A1 20140918; CA 2941409 C 20211012; DK 2967465 T3 20220718; EP 2967465 A1 20160120; EP 2967465 A4 20161214; EP 2967465 B1 20220413; ES 2923858 T3 20221003; JP 2014182121 A 20140929; JP 6434206 B2 20181205; WO 2014143222 A1 20140918

DOCDB simple family (application)

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